

In the Claims:

1. (Amended Herein) An apparatus for applying a thermal conductive medium to an inside portion of a sheath having a closed end portion, the apparatus comprising:

a tubular applicator tip including a nozzle positioned in a sidewall of the tubular applicator tip;

a pump having an input adapted for coupling to a source of thermal conductive medium and an output coupled to said tubular applicator tip; [[and]]

a control module for controlling the pump and thereby the amount of thermal [[conductive]] conductive medium applied to said sheath by the tubular applicator tip;

wherein the tubular applicator tip has a closed tip end preventing expulsion of thermal conductive medium from the tip in the axial direction of said tip;

wherein said tubular applicator tip includes:

an open shaft end attached to said applicator shaft, and

a plurality of nozzles located along a line extending in the axial direction between said closed tip end and said open end.

2. Please cancel claim 2 without prejudice.

3. (Amended) The apparatus of claim [[2]] 1, further comprising:

a contact switch coupled to the control circuit, the contact switch being positioned to come into contact with the sheath when the sheath is properly positioned over the tubular applicator tip.

4. (Previously Presented) The apparatus of claim 3, further comprising:

an applicator shaft for coupling the tubular applicator tip to the pump output.

5. (Amended) [[The]] An apparatus [[of claim 4,]] for applying a thermal conductive medium to an inside portion of a sheath, the apparatus comprising:

a tubular applicator tip including a nozzle positioned in a sidewall of the tubular applicator tip;

a pump having an input adapted for coupling to a source of thermal conductive medium and an output coupled to said tubular applicator tip;

a control module for controlling the pump and thereby the amount of thermal conductive medium applied to said sheath by the tubular applicator tip;

wherein the tubular applicator tip has a closed tip end preventing expulsion of thermal conductive medium from the tip in the axial direction of said tip;

a contact switch coupled to the control circuit, the contact switch being positioned to come into contact with the sheath when the sheath is properly positioned over the tubular applicator tip;

an applicator shaft for coupling the tubular applicator tip to the pump output;

wherein the nozzle has a diameter in the range extending from and including 0.14" to and including 0.145"; and

wherein the applicator shaft includes a bleeder hole having a diameter one third or less the diameter of said nozzle.

6. [[The]] An apparatus [[of claim 3,]] for applying a thermal conductive medium to an inside portion of a sheath, the apparatus comprising:

a tubular applicator tip including a nozzle positioned in a sidewall of the tubular applicator tip;

a pump having an input adapted for coupling to a source of thermal conductive medium and an output coupled to said tubular applicator tip;

a control module for controlling the pump and thereby the amount of thermal conductive medium applied to said sheath by the tubular applicator tip;

[[further comprising:]]

wherein the tubular applicator tip has a closed tip end preventing expulsion of thermal conductive medium from the tip in the axial direction of said tip;

a contact switch coupled to the control circuit, the contact switch being positioned to come into contact with the sheath when the sheath is properly positioned over the tubular applicator tip; and

a motor, for rotating said shaft, coupled to said applicator shaft and to said control module.

7. (Previously Presented) The apparatus of claim 6, wherein the control module includes:

a timing circuit for activating said pump in response to activation of said contact switch and for activating said motor following activation of said pump.

8. (Previously Presented) The apparatus of claim 7, wherein the timing circuit includes:

means for deactivating said pump after a set period of time; and
deactivating said motor after deactivation of said pump.

9. Please cancel claim 9 without prejudice.

10. (Amended Herein) [[The]] An apparatus [[of claim 9,]] for applying a thermal conductive medium to an inside portion of a sheath, the apparatus comprising:

a tubular applicator tip including a nozzle positioned in a sidewall of the tubular applicator tip;

a pump having an input adapted for coupling to a source of thermal conductive medium and an output coupled to said tubular applicator tip;

a control module for controlling the pump and thereby the amount of thermal conductive medium applied to said sheath by the tubular applicator tip;

wherein the tubular applicator tip has a closed tip end preventing expulsion of thermal conductive medium from the tip in the axial direction of said tip;

wherein said tubular applicator tip includes:

an open shaft end attached to said applicator shaft,

a plurality of nozzles located along a line extending in the axial direction between said closed tip end and said open end;

wherein the tubular applicator tip further comprises:

a mushroom shaped cap portion at the closed tip end; and

wherein each of said plurality of nozzles is a hole in the sidewall of said tubular applicator tip.

11. (Allowed) A system for applying a thermal conductive medium to a portion of the interior of a sheath, the system comprising:

a thermal conductive medium storage device;

a pump coupled to the thermal conductive medium storage device;

a thermal conductive medium applicator tip coupled to said pump and including at least one hole through which thermal conductive medium can be expelled when pumped through the applicator tip by said pump; and

a switch coupled to said pump, for controlling activation of said pump.

12. (Allowed) The system of claim 11, further comprising:

a hollow applicator shaft for mounting said thermal conductive medium applicator tip, the hollow applicator shaft coupling said thermal conductive medium applicator tip to the pump; and

a motor connected to said hollow applicator shaft for causing said applicator shaft to rotate.

13. (Allowed) The system of claim 12, wherein said thermal conductive medium applicator tip is tubular in shape having a closed tip end, an open shaft end and a sidewall extending from the closed tip end to the open shaft end, said hole being located in the sidewall.

14. (Allowed) The system of claim 13, further comprising:

a control circuit for coupling said switch to said pump and said motor, the control circuit including means for activating said pump in response to activation of said switch.

15. (Allowed) The system of claim 11, wherein said switch is a contact switch, the switch being positioned to come into contact with the sheath when the sheath is positioned over said thermal conductive medium applicator tip.

Please cancel claims 16-22 without prejudice.